

Converting Colors

XYZ(25.5478, 47.0828, 10.9904)

Have a look what the booklet for
XYZ(25.5478, 47.0828, 10.9904)
contains.

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Color

**XYZ(25.4702, 46.9056,
10.9601)**

Conversions

Conversions Part 1

Format	Color
Hex	3FD134
RGB	63, 209, 52
RGB Percent	25%, 82%, 20%
CMY	0.7529, 0.1804, 0.7961
CMYK	0.70, 0.00, 0.75, 0.18
HSL	116°, 63%, 51%
HSV	116°, 75%, 82%
XYZ	25.4702, 46.9056, 10.9601
YIQ	147.4480, -36.6190, -79.7790

Conversions

Conversions Part 2

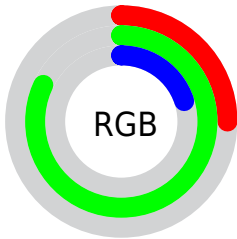
Format	Color
RYB	52, 209, 198
Decimal	4182324
CIELab	74.13, -66.13, 62.36
CIELCh	74, 90.898, 136.682
Yxy	46.9056, 0.3056, 0.5628
Android (android.graphics.Color)	4282372404 (0xFF3FD134)
YUV	147.4480, -47.0559, -74.0609
Hunter-Lab	68.4877, -53.4702, 38.4532

Details

The XYZ color **25.4702, 46.9056, 10.9601** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **36.0286, 19.0673, 62.1055**, and the grayscale version is **28.1201, 29.5845, 32.2175**.

A 20% lighter version of the original color is **47.7262, 77.3700, 26.8865**, and **11.3912, 22.7825, 3.7971** is the 20% darker color. If you saturate the color by 10%, you get **24.0702, 46.2281, 8.9580**, and if you desaturate by 10%, it is **27.5187, 47.8961, 14.0816**.

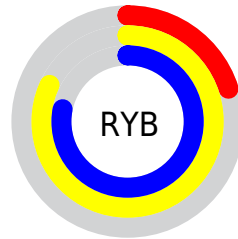
Distribution



Red (25%)

Green (82%)

Blue (20%)



Red (20%)

Yellow (82%)

Blue (78%)

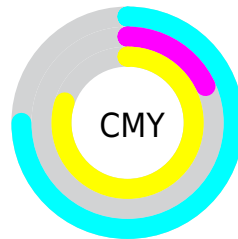


Cyan (70%)

Magenta (0%)

Yellow (75%)

Black (18%)



Cyan (75%)

Magenta (18%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4702, 46.9056, 10.9601 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 25.4702, 46.9056, 10.9601 by changing the saturation by 10% instead.

■ 25.4702, 46.9056,
10.9601

■ 25.4702, 46.9056,
10.9601

272.4762,
374.4376, 208.1212

■ 16.5583, 32.9610,
5.9262

■ 51.8564, 85.5727,
28.2219

■ 10.0134, 22.0966,
2.7322

■ 70.0615, 111.0640,
41.2868

■ 5.4702, 13.9279,
0.9596

■ 92.0949, 141.1730,
57.8659

■ 2.5633, 8.0705,
0.0000

■ 118.3222,
176.2842, 78.3775

■ 0.9273, 4.1401,
0.0000

■ 149.1086,
216.7818, 103.2403

■ 0.0000, 1.7522,
0.0000

184.8195,

■ 0.0000, 0.4571,

263.0503, 132.8729

0.0000

225.8202,
315.4741, 167.6936

■ 0.0000, 0.0000,
0.0000

■ 25.4702, 46.9056,
10.9601

■ 25.4702, 46.9056,
10.9601

■ 24.0702, 46.2281,
8.9580

■ 27.5187, 47.8961,
14.0816

■ 23.2370, 45.8209,
7.9127

■ 30.2784, 49.2249,
18.4499

■ 22.9925, 45.7013,
7.6094

■ 33.8079, 50.9213,
24.1785

■ 38.1591, 53.0099,
31.3674

■ 43.3794, 55.5129,
40.1073

■ 49.5123, 58.4513,
50.4815

■ 56.5987, 61.8443,
62.5672

■ 64.6768, 65.7101,
76.4369

■ 73.7828, 70.0659,
92.1589

Harmonies

Analogous

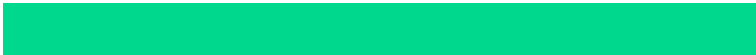
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1890, 46.9056, 4.3409



25.4702, 46.9056, 10.9601



20.5374, 46.9056, 33.0840

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



25.4702, 46.9056, 10.9601



37.7552, 46.9056, 197.3473



81.7798, 46.9056, 29.4231

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



25.4702, 46.9056, 10.9601



36.0286, 19.0673, 62.1055

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.4944, 46.9056, 74.6241



25.4702, 46.9056, 10.9601



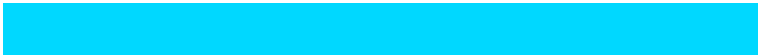
54.1825, 46.9056, 194.0129

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



25.4702, 46.9056, 10.9601



26.3751, 46.9056, 147.9656



71.4463, 46.9056, 140.5327



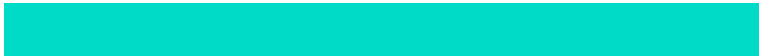
69.6820, 46.9056, 9.6799

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.4702, 46.9056, 10.9601



20.1645, 46.9056, 62.2267



71.4463, 46.9056, 140.5327



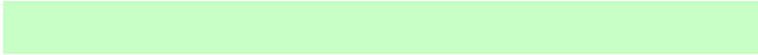
83.4461, 46.9056, 41.3374

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



25.4713, 46.9076, 10.9612



69.7054, 87.8639, 65.7192



46.6376, 53.2479, 11.0694



14.2241, 18.4730, 12.8954



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.4713, 46.9076, 10.9612



36.8783, 72.0756, 12.9165



27.4537, 47.6273, 24.7060



11.7319, 13.2452, 12.5503



14.2067, 28.1928, 4.6930



0.8218, 1.5905, 0.2637

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.0286, 19.0673, 62.1055



53.9809, 26.2751, 96.8342



32.5265, 18.0135, 27.9834



12.2257, 11.9652, 14.9088



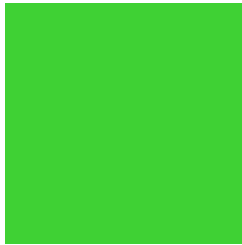
20.9059, 9.9577, 38.0127



1.1940, 0.5697, 2.1266

Previews

White Background



This preview shows how the XYZ color 25.4702, 46.9056, 10.9601 looks on a white background.

Color Contrast Check

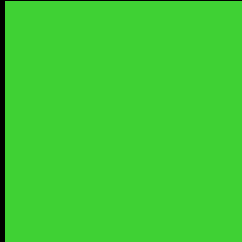
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 25.4702, 46.9056, 10.9601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

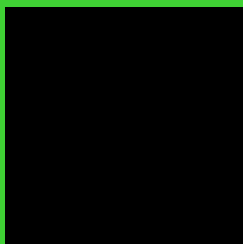
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4702, 46.9056, 10.9601

Background



This preview shows how black text looks on a background with the XYZ color 25.4702, 46.9056, 10.9601.



This preview shows how white text looks on a background with the XYZ color 25.4702, 46.9056,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

25.4702, 46.9056, 10.9601

Protanopia

41.6261, 45.9337, 9.1548

Deuteranopia

46.8170, 45.9178, 11.7057



Tritanopia

36.9819, 46.6764, 68.6883

Trichromacy



Original Color

25.4702, 46.9056, 10.9601



Protanomaly

32.1132, 44.1504, 9.6256



Deuteranomaly

33.9443, 43.1527, 11.0977



Tritanomaly

30.5239, 45.7323, 37.3554

Monochromacy



Original Color

25.4702, 46.9056, 10.9601



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

24.5018, 33.6323, 20.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4702, 46.9056, 10.9601 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(63, 209, 52)` looks like.

```
.text, #text, p{  
    color:rgb(63, 209, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(63, 209, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 209, 52) }
```

Border

The CSS property to change the border of an element to XYZ 25.4702, 46.9056, 10.9601 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 209, 52) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(63, 209, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(63, 209, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 209, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 209, 52);  
box-shadow:4px 4px 4px 4px rgb(63, 209,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4702, 46.9056, 10.9601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 209, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(63, 209,  
52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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